

MEMORANDUM

AGENDA ITEM #1
MEETING OF JULY 14, 2022

To: Conservation Commission/Inland Wetlands and Watercourses Agency

From: Suzanne Simone, Environmental Planner

Date: July 7, 2022

**Re: IWWA application for the direct discharge of water from underground galleries into a watercourse on the north side of Mountain Road and TPZ Floodzone recommendation
30 Mountain Road**

**Attachments: February 24, 2022 CC/IWWA meeting minutes
Site Plan
Engineering Department comments**

Proposal

The applicant seeks approval for a direct discharge into a watercourse from proposed underground stormwater management galleries at 30 Mountain Road, in a Rural Residence and Flood Zone. The proposed underground stormwater management is designed to capture stormwater and remove sediment before discharge into the watercourse located along the north side of Mountain Road (town property).

Review

The Commission reviewed an earlier version of this plan proposal at the February 24, 2022 meeting. The current site plan now includes two-foot contour lines along the affected watercourse, as required by floodzone regulations.

The property is not encumbered by a conservation easement. The town soils map does not locate wetland soils or watercourses on the property of 30 Mountain Road. The watercourse associated with this application is located on the north side of Mountain Road on town property and in the Flood Zone. The property is not identified as an area of interest in the December 2021 edition of the Natural Diversity Database map.

Site clearing conducted in early 2021 resulted in runoff of sediment laden stormwater on to the neighboring property and Mountain Road. The applicant has implemented temporary solutions to retain sediment on the property which have effectively prevented discharge on to the neighboring property to the west. In summer 2021 the property owner consulted with an engineer and installed two sediment basins along the western property boundary which

successfully alleviated the sediment transportation off site. Sheet flow of water off the site persists, and this plan design seeks to provide a permanent remedy to prevent the flow of water on to Mountain Road, leading to neighbor complaints and additional deicing measures during the winter. The proposed drainage outlet will directly deposit (sediment free) water within a watercourse (and Flood Zone) located on town property.

The site plan depicts the interception of water from behind the house (under construction) into underground infrastructure directing the discharge down gradient into the underground detention system at the base of the existing driveway at 30 Mountain Road. The underground galleries are to be connected to the watercourse by a proposed pipe to be located under Mountain Road.

Sheet #2 locates a proposed meadow on the east side of the driveway. The establishment of perennial grasses and herbaceous plants will contribute in preventing the sheet flow of water upgradient of the underground galleries.

Due to work proposed on town owned property the town needs to authorize the application submission to the commission. The town authorization is required in order for this application to be considered complete from an administrative standpoint.